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PATENT ABSTRACTS OF JAPAN

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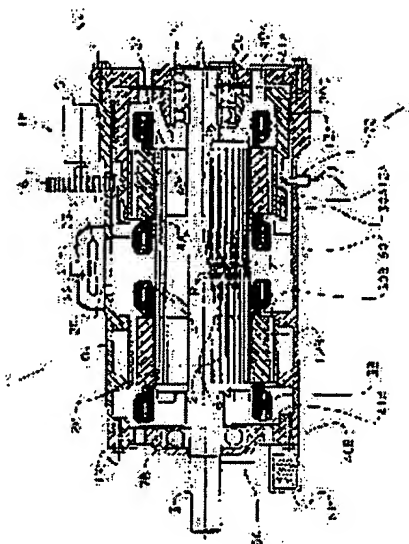
(71)Applicant : SATAKE ENG CO LTD

(22)Date of filing : 27.06.1988

(72)Inventor : SATAKE TOSHIHIKO
ONOKI YUKIO**(54) VARIABLE SPEED INDUCTION MOTOR****(57)Abstract:**

PURPOSE: To operate a device smoothly and stably by fitting a bearing body with a fitted bearing, on the side of one stator among a plurality of stators, and by setting the stator to be a rotationally moving stator for moving rotationally and concentrically with a rotary shaft.

CONSTITUTION: In a variable speed induction motor 1, on the rotor shaft 3 of a rotor 2, rotor cores 2A-2B are fitted at an arbitrary interval, and between the cores, a non-magnetic body core 2C is set. Besides, a conductor 4 is composed of the first conductor group 4A of high resistance and the second conductor group 4B of low resistance which are fitted on the rotor cores 2A-2B, and the respective groups are connected to the rotor cores 2A-2B in series, and the integral rotor 2 is formed, and both the end sections are short-circuited by end rings 5-6. Besides, confronted with core outer-peripheral-surfaces, stators 12A-12B are arranged on the internal wall surface of a machine frame 10 in parallel with each other, and the stator 12A is composed of a bearing body 50, a bearing 51, a forward or reverse rotation miniature motor 15, and gears 16-17. Then, by increasing phase shift on induced voltage due to the rotationally moving stator 12A, from the other side phase at the time of starting, starting current can be suppressed.

**LEGAL STATUS**

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